

Attorney Docket No. 3600.100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of) Examiner: C. Verdier
:
DAVID A. SPEAR ET AL.) Group Art Unit: 3745
:
Appln. No.: 09/343,736)
:
Filed: June 30, 1999)
:
For: SWEPT TURBOMACHINERY)
BLADE : Date: May 30, 2001

Commissioner for Patents
Washington, D.C. 20231

TECHNOLOGY CENTER 3700

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SUPPLEMENTAL AMENDMENT

Sir:

Further to the Amendment of April 10, 2001, please
amend the above-identified application as follows:

IN THE CLAIMS:

Add new claims 42 and 43 shown below:

42. The gas turbine engine fan of claim 27, wherein
the inner wall of the case is perpendicular to pressure waves
that extend spanwise of the blades as they rotate, said waves
being incident to the case wall in a region of the blades.

43. The gas turbine engine fan of claim 27, wherein a
projection of the tip end of each blade onto a radial plane is

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substantially parallel to the inner wall of the casing in longitudinal cross-section.

REMARKS

New claims 42 and 43 are introduced to clarify the scope of the applicants' invention.

They are very clearly supported by the applicants' specification. As for claim 42, the pressure waves referred to in the claim are those identified by reference numeral 60 in Figure 1. The specification states,

The flow of the working medium over the blade suction surface generates pressure waves 60 ... which extend along the span of the blade and reflect off the case.

Specification at page 3, lines 33-36.

At page 3, line 37, the specification refers to the pressure waves 60 as "incident waves," while Figure 1 shows them to be incident to the case wall in the region of the blades. At page 3, lines 58-60, the specification states that the case wall can be made perpendicular to the incident pressure waves.

Regarding claim 43, the specification states that the view in Figure 2 is a projection of the blade onto the plane of the drawing, that is, a radial plane. Page 3, lines 26-29. In addition, Figure 2 clearly shows that the thus-projected tip end of the blade is parallel to the case wall in longitudinal cross-section.

Therefore, claims 42 and 43 are both supported by the specification and use terminology that finds direct antecedent basis in the applicants' disclosure. In addition, they both depend from claim 27, which was not rejected on prior art grounds in the Office Action of October 16, 2000.

Accordingly, claims 42 and 43 are both allowable (assuming that the Examiner agrees that the changes made to their base claim 27 made in the Amendment of April 10, 2001, overcome the rejection based on 35 U.S.C. § 112, second paragraph).

The \$36 fee for introducing two additional dependent claims may be charged to Deposit Account No. 50-0409.

The applicants' undersigned attorney may be reached by telephone at (609) 921-8660. All correspondence should be directed to the below listed address.

Respectfully submitted,



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